

WHAT IS CLAIMED IS:

1. A sheet transport apparatus that re-  
transports a sheet having an image formed by an image  
forming portion on a first surface of the sheet, to  
5 the image forming portion so as to form an image on a  
second surface, opposite to the first surface, of the  
sheet, said the sheet transport apparatus comprising:  
a re-transport path through which the sheet  
having the image on the first surface of the sheet is  
10 re-transported to the image forming portion;  
cooling means for blowing air against the sheet  
passing through said re-transport path in order to  
cool the sheet; and  
an electrical substrate,  
15 wherein the air after cooling the sheet by  
having been blown from said cooling means against the  
sheet is prevented from striking said electrical  
substrate.
- 20 2. A sheet transport apparatus according to  
claim 1, further comprising a cooling air path which  
is provided between said cooling means and said re-  
transport path and through which the air blown by  
said cooling means flows into said re-transport path,  
25 wherein said electrical substrate is arranged at  
a position off said cooling air path.

3. A sheet transport apparatus according to  
claim 2, further comprising a duct member  
constituting said cooling air path,

wherein said electrical substrate is arranged in  
5 a side portion in a direction that is perpendicular  
to a direction in which the air flows through said  
duct member.

4. A sheet transport apparatus according to  
10 claim 1, further comprising a cooling air path which  
is provided between said cooling means and said re-  
transport path and through which the air blown by  
said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged on  
15 an upstream side in a direction in which the air  
flows through said cooling air path.

5. A sheet transport apparatus according to  
claim 1, wherein said cooling means is a fan, and  
20 wherein said electrical substrate is arranged on an  
inlet side of said fan.

6. A sheet transport apparatus according to  
claim 1, further comprising a duct member for causing  
25 the air blown by said cooling means to flow into the  
re-transport path,

wherein said electrical substrate, said cooling

means, said duct member, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown by said cooling means.

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7. A sheet transport apparatus according to claim 1, wherein said electrical substrate is a control substrate that controls a re-transporting operation for the sheet.

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8. An image forming apparatus having a sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion in order to form an image on a second surface, opposite to the first surface, of the sheet, said image forming apparatus comprising:

15 said image forming portion;  
a re-transport path through which the sheet having the image formed on the first surface of the sheet is re-transported to said image forming portion;

20 cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; and

25 an electrical substrate,  
wherein the air after cooling the sheet by

having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.

5        9. An image forming apparatus according to claim 8, wherein said re-transport path, said cooling means, and said electrical substrate are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.

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10. An image forming apparatus comprising:  
a photosensitive drum on which a toner image is formed;  
a fixing roller that heats and pressurizes a  
15 sheet onto which the toner image has been transferred from said photosensitive drum;  
a re-transport path that connects a downstream side path of said fixing roller and an upstream side path of said photosensitive drum;  
20 a fan that blows air; and  
an electrical substrate,  
wherein said electrical substrate, said fan, and said re-transport path are arranged in the named order from an upstream side along a flowing direction  
25 of the air blown from said fan.

11. An image forming apparatus according to

claim 10, wherein said electrical substrate, said fan, and said re-transport path are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.